

Abstract

An antenna is disclosed to efficiently ionize the atmosphere for the purpose of weather modification. The antenna includes peripheral nodes and a central node. Each
5 of the peripheral nodes is connected to adjacent peripheral nodes through peripheral spokes. The peripheral nodes are also connected to the central node through radial spokes. Electric power is applied to the peripheral spokes and the radial spokes causing the antenna to charge the atmosphere through the emission of ions. The antenna
minimizes an attenuation factor that reduces ionization efficiency. The configuration of
10 the antenna enhances the ability to broadcast ions vertically into the atmosphere for the creation of updrafts or downdrafts.